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TI Preparation of N-alkyllactams from lactones and secondary amines

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SO Jpn. Kokai Tokkyo Koho, 6 pp.

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PI JP 01186864	A2	19890726	JP 1988-11304	19880121
JP 06078304	B4	19941005		

AB N-Alkylactams are prepd. via N,N-dialkyl-.omega.-hydroxycarboxamides by treatment of 3-5 mol lactones with secondary amines in the presence of 1 mol H₂O at 240-265.degree.. A mixt. of 86 g .gamma.-butyrolactone and 97.2g 50% Me₂NH aq. soln. was autoclaved at 255.degree. under 52 kg/cm² for 3 h to give 59.5 g N-methyl-2-pyrrolidone of 99.9% purity and APHA (American Public Health Assocn.) value 10, vs. 98.5% and 20, resp., for a control reaction at 270.degree..

IC ICM C07D207-267

ICS C07D211-76

DT Patent

LA Japanese